PRODUCT ADVISORY

Data Sheet Specification Change for Intersil Product ISL95836*

Refer to:
PA12017

Date: March 14, 2012

March 14, 2012

To: Our Valued Intersil Customer

Subject: **Data Sheet Specification Change for Intersil Products ISL95836***

This advisory is to inform you that Intersil has changed the data sheet specification for the listed ISL95836* products. The changes affect the maximum limit for parameter VIN Power-On-Reset Threshold in the *Electrical Specifications* table, the Fault Duration Before Protection time for Phase Current Unbalance in the *Fault Protection Summary* table, and the resistor values in the RCOMP and RCOMPG programming tables in the *Programming Resistors* section. Details regarding the changes are contained on the next page. The updated data sheet is available upon request.

Products affected:

ISL95836HRTZ ISL95836HRTZ-T ISL95836IRTZ ISL95836IRTZ-T

There have been no changes made to the die/silicon or device itself. There will be no change in external marking of the packaged parts.

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to continue receiving product processed to the same established conditions and systems used for manufacturing of material supplied today.

If you have concerns with this advisory, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,

Jon Brewster

Jon Brewster
Intersil Corporation PA12014

CC: J. Touvell D. Grener J. Wei

PA12017 – Data Sheet Updates

- Electrical Specifications Table (Page 8):

Parameter	Symbol	Current Limit			New Limit			Units
		Min	Typ	Max	Min	Typ	Max	
VIN Power-On-Reset Threshold	VINPOR	-	4.4	4.75	-	4.4	4.7	V

- Programming Resistors Section (Page 22):

From:

TABLE 7. RCOMP PROGRAMMING TABLE

RCOMP (kΩ)			V_{BOOT} (V)	VR1 ICCMAX (A)
MIN	TYP	MAX		
0	1.5	3.0	0	99
5.0	5.6	6.2	0	94
8.4	9.4	10.4	0	80

TABLE 8. RCOMPG PROGRAMMING TABLE

RCOMPG (kΩ)			SWITCHING FREQUENCY (kHz)	VR2 ICCMAX (A)
MIN	TYP	MAX		
0	1.5	3.0	450	70
5.0	5.6	6.2	450	57
8.4	9.4	10.4	450	45

TO:

TABLE 7. RCOMP PROGRAMMING TABLE

RCOMP (kΩ)			V_{BOOT} (V)	VR1 ICCMAX (A)
MIN	TYP	MAX		
2.7	2.85	3.0	0	99
5.0	5.6	6.2	0	94
8.4	9.4	10.4	0	80

TABLE 8. RCOMPG PROGRAMMING TABLE

RCOMPG (kΩ)			SWITCHING FREQUENCY (kHz)	VR2 ICCMAX (A)
MIN	TYP	MAX		
2.7	2.85	3.0	450	70
5.0	5.6	6.2	450	57
8.4	9.4	10.4	450	45

- Fault Protection Summary (Page 28):

From:

TABLE 5. FAULT PROTECTION SUMMARY

FAULT TYPE	FAULT DURATION BEFORE PROTECTION	PROTECTION ACTION	FAULT RESET
Overcurrent	120µs	PWM tri-state, PGOOD latched low	VR_ON toggle or VDD toggle
Phase Current Unbalance	1ms		
Way-Overcurrent (1.5xOC)	Immediately		
Overvoltage +200mV		PGOOD latched low. Actively pulls the output voltage to below VID value, then tri-state.	
1.7V overvoltage during output voltage ramp up from 0V			

TO:

TABLE 5. FAULT PROTECTION SUMMARY

FAULT TYPE	FAULT DURATION BEFORE PROTECTION	PROTECTION ACTION	FAULT RESET
Overcurrent	120µs	PWM tri-state, PGOOD latched low	VR_ON toggle or VDD toggle
Phase Current Unbalance	4ms		
Way-Overcurrent (1.5xOC)	Immediately		
Overvoltage +200mV		PGOOD latched low. Actively pulls the output voltage to below VID value, then tri-state.	
1.7V overvoltage during output voltage ramp up from 0V			